

AMENDMENTS TO THE CLAIMS

Please cancel claims 1-38 without prejudice.

Please amend claim 39 and add claims 52-62, such that the status of the claims is as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-38. (Canceled)

39. (Currently amended) A method for automatically validating medical data received via a communication network, comprising:

receiving a data set from an implantable medical device via a data input device;

analyzing the data set from the implantable medical device with a data processor to determine implantable medical device configuration parameters; and

~~determining whether~~ comparing the implantable medical device configuration parameters to predefined clinical trial configuration parameters with the data processor to determine whether the implantable medical device configuration parameters are configured properly.

40. (Original) The method as recited in claim 39, further comprising:
notifying a physician to reconfigure the implantable medical device if it is configured improperly.

41. (Original) The method as recited in claim 40, wherein the physician is notified to reconfigure the implantable medical device electronically.

42. (Original) The method as recited in claim 39, wherein the data set from the implantable medical device is received in a first data format, and wherein the method further comprises:

converting the data set from the first data format to a second data format; and
validating the second data format against the first data format to verify that the
conversion from the first data format to the second data format occurred without errors.

43. (Original) The method as recited in claim 42, wherein the first data
format comprises a binary data format, and the second data format comprises an extensible
mark-up language (XML) data format.

44. (Original) The method as recited in claim 39, further comprising:
receiving a data set comprising patient information entered by a physician;
validating at least a portion of the patient information data set against
validation parameters to determine if the entered patient information contains errors;
prompting the physician to correct one or more errors if one or more errors
exist, wherein after the one or more errors are corrected, the patient information is validated;
and
storing the validated patient information.

45. (Original) The method as recited in claim 44, wherein the patient
information is validated during a patient data entry session.

46. (Original) The method as recited in claim 44, wherein the patient
information is selected from the group consisting of objective patient information, subjective
patient information, and patient diagnosis information.

47. (Original) The method as recited in claim 44, wherein the patient
information data set comprises data associated with one or more fields, and wherein the
validation parameters comprise validation rules for the one or more fields.

48. (Original) The method as recited in claim 39, further comprising:
receiving a data set comprising patient information entered by a physician;

validating at least a portion of the patient information data set against patient information previously stored in a database to determine if any portion of the entered patient information is inconsistent with the stored patient information; and

prompting the physician to verify that the entered patient information is accurate and correct any entered patient information that is determined to not be accurate if inconsistencies are located.

49. (Original) The method as recited in claim 48, wherein the patient information data set comprises data associated with a plurality of fields, the plurality of fields including a first field to receive a first measurement value for a patient symptom test and a second field to receive a second measurement value for the patient symptom test, and wherein the method further comprises:

validating that the second field includes the second measurement value; and
prompting the physician to enter the second measurement value into the second field if the second field does not include the second measurement value.

50. (Original) The method as recited in claim 49, further comprising:
validating the second field against the first field to determine if the second measurement value is reasonable in view of the first measurement value; and
if the second measurement value is not reasonable in view of the first measurement value, prompting the physician to verify the first measurement value, verify the second measurement value, enter a new first measurement value, or enter a new second measurement value.

51. (Original) The method as recited in claim 39, further comprising:
receiving a data set comprising subjective patient information entered by a physician; and
normalizing the subjective information to adjust for physician biases.

52. (New) A method for automatically validating medical data received via a communication network, comprising:

receiving a data set in a first data format from an implantable medical device via a data input device;

converting the data set from the first data format to a second data format; and

validating the second data format against the first data format to verify that the conversion from the first data format to the second data format occurred without errors;

analyzing the data set from the implantable medical device with a data processor to determine implantable medical device configuration parameters;

comparing the implantable medical device configuration parameters to predefined clinical trial configuration parameters with the data processor to determine whether the implantable medical device configuration parameters are configured properly; and

notifying a physician to reconfigure the implantable medical device if it is configured improperly.

53. (New) The method as recited in claim 52, further comprising:

receiving a data set comprising patient information entered by a physician;

validating at least a portion of the patient information data set against patient information previously stored in a database to determine if any portion of the entered patient information is inconsistent with the stored patient information; and

prompting the physician to verify that the entered patient information is accurate and correct any entered patient information that is determined to not be accurate if inconsistencies are located.

54. (New) The method as recited in claim 53, wherein the patient information data set comprises data associated with a plurality of fields, the plurality of fields including a first field to receive a first measurement value for a patient symptom test and a

second field to receive a second measurement value for the patient symptom test, and wherein the method further comprises:

validating that the second field includes the second measurement value; and
prompting the physician to enter the second measurement value into the second field if the second field does not include the second measurement value.

55. (Original) The method as recited in claim 54, further comprising:
validating the second field against the first field to determine if the second measurement value is reasonable in view of the first measurement value; and
if the second measurement value is not reasonable in view of the first measurement value, prompting the physician to verify the first measurement value, verify the second measurement value, enter a new first measurement value, or enter a new second measurement value.

56. (Original) The method as recited in claim 52, further comprising:
receiving a data set comprising subjective patient information entered by a physician; and
normalizing the subjective information to adjust for physician biases.

57. (New) The method as recited in claim 52, wherein the physician is notified to reconfigure the implantable medical device electronically.

58. (New) The method as recited in claim 52, wherein the first data format comprises a binary data format, and the second data format comprises an extensible mark-up language (XML) data format.

59. (New) The method as recited in claim 52, further comprising:
receiving a data set comprising patient information entered by a physician;

validating at least a portion of the patient information data set against validation parameters to determine if the entered patient information contains errors; prompting the physician to correct one or more errors if one or more errors exist, wherein after the one or more errors are corrected, the patient information is validated; and
storing the validated patient information.

60. (New) The method as recited in claim 59, wherein the patient information is validated during a patient data entry session.

61. (New) The method as recited in claim 59, wherein the patient information is selected from the group consisting of objective patient information, subjective patient information, and patient diagnosis information.

62. (New) The method as recited in claim 59, wherein the patient information data set comprises data associated with one or more fields, and wherein the validation parameters comprise validation rules for the one or more fields.